

What is claimed is:

- 1 1. (Currently Amended) A method for making carbon/carbon composite disks for
2 brakes, comprising the steps of:
3 feeding carbon fibers into a mold;
4 compressing said fibers in the mold to form a compressed mat;
5 densifying said compressed mat by chemical vapor infiltration; and
6 further comprising the step of introducing an additive among said carbon fibers
7 forming said compressed mat by dusting a powder of said additive upon said carbon
8 fibers prior to their being fed into said mold.
- 1 2. (Canceled)
- 1 3. (Currently Amended) The method for making carbon/carbon composite disks
2 according to claim 2 1, wherein said powder is taken from the group of aluminum,
3 silica; and boron; ~~and other performance enhancers.~~
- 1 4. (Currently Amended) The method for making carbon/carbon composite disks
2 according to claim 3, further comprising the step of heat curing said compressed mat,
3 said curing transforming said aluminum, ~~silicon~~ silica and boron into aluminum
4 oxide, silicon carbide and boron carbide ~~or other performance enhancers.~~
- 1 5. (Canceled)
- 1 6. (Currently Amended) The method of making carbon/carbon composite disks
2 according to claim 5 16, wherein said additive is introduced into said mold at about
3 the midpoint of said step of feeding carbon fibers into said mold, defining a layer of
4 said additive within said compressed mat.

1 7. (Currently Amended) The method for making carbon/carbon composite disks
2 according to claim 6, wherein powder additive is taken from the group of aluminum,
3 silica, boron, aluminum oxide, silicon carbide and boron carbide ~~or other performance~~
4 ~~enhancers~~.

1 8. (Original) The method for making carbon/carbon composite disks according
2 to claim 7, further comprising the step of heat curing said compressed mat.

1 9. (Canceled)

1 10. (Canceled)

1 11. (Canceled)

1 12. (Withdrawn) A carbon/carbon composite disk for brakes, comprising:
2 a multitude of carbon fibers formed in a compressed mat and having
3 interposed thereamong a particulate additive taken from the group of aluminum
4 oxide, silicon carbide, boron carbide and other performance enhancers.

1 13. (Withdrawn) The carbon/carbon composite disk according to claim 12,
2 wherein said particulate additive is uniformly distributed among said carbon fibers of
3 said compressed mat.

1 14. (Withdrawn) The carbon/carbon composite disk according to claim 12,
2 wherein said particulate additive is concentrated in an axially disposed center layer
3 of the disk.

1 15. (Withdrawn) The carbon/carbon composite disk according to claim 14,
2 wherein said particulate additive within said mat increases in concentration from
3 axially disposed outer surfaces of said disk to said center layer.

- 1 16. (New) A method for making carbon/carbon composite disks for brakes,
- 2 comprising the steps of:
- 3 feeding carbon fibers into a mold;
- 4 compressing said fibers in the mold to form a compressed mat;
- 5 densifying said compressed mat by chemical vapor infiltration; and
- 6 further comprising the step of introducing an additive among said carbon fibers
- 7 forming said compressed mat by dusting a powder of said additive into said mold and
- 8 upon said carbon fibers therein.